



SENIOR DATABASE DESIGN ANALYST
GRADE O

SCOPE OF WORK:

Work involves providing technical leadership of database design analysts, advising management on the most advanced aspects of database design and administration, and performing advanced database design, development, maintenance, and troubleshooting responsibilities. Work will involve projects of the highest level of complexity based on scope of the project, diversity of platforms and/or connectivity methods.

DUTIES PERFORMED:

- Provide technical leadership in database design and administration to technical staff, customers, and vendors in regard to: database tools, logical and physical database design, recovery design, etc.
- Provide technical leadership and direction in the planning, development, implementation, and maintenance of database software, tools, operating systems, hardware and data storage platforms, and interfaces to ensure that database software will operate in the appropriate operational environment and meet customer requirements.
- Provide technical review and approval of database enhancements and changes to ensure compliance with State Enterprise Architecture Standards.
- Provide technical expertise, product knowledge and advanced troubleshooting assistance on complex issues that impact performance, availability and security of enterprise databases.
- Mentor and educate agency management and IT architects to ensure that databases are developed and implemented according to standards and guidelines and provide efficient data access, data security, comprehensive data integrity, and allow appropriate data sharing.
- Develop, document, implement, publish, and maintain policies, procedures, guidelines, recommendations, and naming standards for database products so that application systems will run successfully and will be developed and implemented in accordance with statewide standards.
- Develop effective, strategic working relationships with database software vendors of products used, to ensure cooperation on work efforts and on-going communication on needs, enhancements, and plans.
- Identify and evaluate industry trends in database systems to serve as a source of information and advice for upper management.
- Plan, coordinate and implement security measures to safeguard information in computer files against accidental or unauthorized damage, modification or disclosure.

- Approve, schedule, plan, and supervise the installation and testing of new products and improvements to computer systems, such as the installation of new databases.

NOTE: The duties listed are not intended to be all-inclusive. Duties assigned any individual employee are at the discretion of the appointing authority.

MINIMUM QUALIFICATIONS:

Requires a bachelor's degree in Information Technology, Computer Science or a closely related field and six years of work experience in the design, development, and maintenance of large scale computer system databases; or a combination of college level coursework in computer science or computer information systems plus work experience in the design, development, and maintenance of large scale computer system databases totaling ten years. Incumbents will have advanced knowledge of the internal workings of databases, an advanced understanding of how to configure database/operating system parameters to optimize database performance, a strong understanding of data security and business continuity practices, and knowledge of a variety of software and database development tools.

Eff. Date: 5/14; new classification, with JEC evaluation